

Title (en)

CATIONIC SUGAR SURFACTANTS FROM ETHOXYLATED AMMONIUM COMPOUNDS AND REDUCING SACCHARIDES

Title (de)

KATIONISCHE ZUCKERTENSIDE AUS ETHOXYLIERTEN AMMONIUMVERBINDUNGEN UND REDUZIERENDEN SACCHARIDEN

Title (fr)

TENSIO-ACTIFS CATIONIQUES DE SUCRE OBTENUS A PARTIR DE COMPOSES D'AMMONIUM ETHOXYLES ET SACCHARIDES REDUCTEURS

Publication

EP 1015536 A1 20000705 (EN)

Application

EP 98935463 A 19980803

Priority

- SE 9801433 W 19980803
- SE 9703089 A 19970827

Abstract (en)

[origin: US6503880B1] The present invention relates to cationic sugar surfactants with improved biodegradability that can be used as hydrotropes for surfactants, especially for nonionic alkylene oxide adducts in alkaline solutions, and as cleaners for hard surfaces. The cationic sugar surfactants contain at least one hydrocarbon group with 6-24 carbon atoms and at least one quaternary ammonium group where at least one substituent is an alkyleneoxy containing group which is connected to a saccharide residue by a glycosidic bond. They are obtained from ethoxylated quaternary ammonium compounds and reducing saccharides or alkyl glycosides.

IPC 1-7

C11D 1/62; C11D 1/65

IPC 8 full level

C07H 15/04 (2006.01); **C07H 15/08** (2006.01); **C11D 1/62** (2006.01); **C11D 1/645** (2006.01); **C11D 1/65** (2006.01); **C11D 1/835** (2006.01)

CPC (source: EP US)

C07H 15/08 (2013.01 - EP US); **C11D 1/62** (2013.01 - EP US); **C11D 1/65** (2013.01 - EP US)

Cited by

WO2018118746A3

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9910462 A1 19990304; AT E258218 T1 20040215; AU 736353 B2 20010726; AU 8470798 A 19990316; BR 9811373 A 20000829; CA 2296574 A1 19990304; DE 69821249 D1 20040226; DE 69821249 T2 20041202; EP 1015536 A1 20000705; EP 1015536 B1 20040121; ES 2215311 T3 20041001; IS 5365 A 20000128; JP 2001514303 A 20010911; JP 4067272 B2 20080326; NO 20000950 D0 20000225; NO 20000950 L 20000418; PL 190291 B1 20051130; PL 338993 A1 20001204; RU 2217486 C2 20031127; SE 511873 C2 19991213; SE 9703089 D0 19970827; SE 9703089 L 19990228; US 2002193274 A1 20021219; US 6432907 B1 20020813; US 6503880 B1 20030107

DOCDB simple family (application)

SE 9801433 W 19980803; AT 98935463 T 19980803; AU 8470798 A 19980803; BR 9811373 A 19980803; CA 2296574 A 19980803; DE 69821249 T 19980803; EP 98935463 A 19980803; ES 98935463 T 19980803; IS 5365 A 20000128; JP 2000507771 A 19980803; NO 20000950 A 20000225; PL 33899398 A 19980803; RU 2000107793 A 19980803; SE 9703089 A 19970827; US 17778802 A 20020620; US 51285600 A 20000225